

**PATENT COOPERATION TREATY**  
**PCT**  
**INTERNATIONAL SEARCH REPORT**  
(PCT Article 18 and Rules 43 and 44)

LAKE DAWSON WALDRON  
PATENT SERVICES  
RECEIVED: 04 FEB 2005  
**DATA ENTERED**

Applicant's or agent's file reference <b>13773739</b>	<b>FOR FURTHER ACTION</b>	see Form PCT/ISA/220 as well as, where applicable, item 5 below.
International application No. <b>PCT/AU2004/001689</b>	International filing date (day/month/year) <b>3 December 2004</b>	(Earliest) Priority Date (day/month/year) <b>3 December 2003</b>
Applicant <b>CYTOPIA RESEARCH PTY LTD et al</b>		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of **4** sheets.



It is also accompanied by a copy of each prior art document cited in this report.

**1. Basis of the report**

a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b.  With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.

Certain claims were found unsearchable (See Box No. II).

Unity of invention is lacking (See Box No. III).

4. With regard to the title,



the text is approved as submitted by the applicant.



the text has been established by this Authority to read as follows:

5. With regard to the abstract,

the text is approved as submitted by the applicant.

the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the drawings,

a. the figure of the drawings to be published with the abstract is Figure No.

as suggested by the applicant.

as selected by this Authority, because the applicant failed to suggest a figure.

as selected by this Authority, because this figure better characterizes the invention.

b.  none of the figures is to be published with the abstract.

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU2004/001689

## A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl. 7: C07D 213/74, 237/20, 239/42, 241/20, 253/07, 401/12, 401/14, 413/10, 403/10; A61K 31/4418, 31/444, 31/496, 31/497, 31/506, 31/53, 31/5377; A61P 29/00, 37/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

SEE ELECTRONIC DATABASES BELOW

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

STN Files Registry, CA: substructure search based on claim 7, limited by examples

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	WO 2004/052868 (CYTOPIA PTY. LTD.) 24 June 2004 See whole document, Formulae I and II, Table 1, p. 11 (RH column, 3 <sup>rd</sup> compound), p. 59 (C23H25FN4O2, C28H37FN4O), p. 63 (C23H27N5O2, C22H25N5O2), p. 64 (C24H28N5O2, C23H26N4O2)	1-9, 12, 14-18
P,X	WO 2003/099796 (CYTOPIA PTY. LTD.) 4 December 2003 See Formulae I and II, Example 35	5-10, 12, 14, 15, 17, 18
X	WO 2003/031406 (IRM LLC) 17 April 2003 See Tables 2-4, Entries 1-5 and 12	5, 10, 14, 18

 Further documents are listed in the continuation of Box C See patent family annex

* Special categories of cited documents:		
"A" document defining the general state of the art which is not considered to be of particular relevance	"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" earlier application or patent but published on or after the international filing date	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y"	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&"	document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed		

Date of the actual completion of the international search

14 January 2005

Date of mailing of the international search report

3 FEB 2005

Name and mailing address of the ISA/AU

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## INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU2004/001689

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2003/026661 (YAMANOUCHI PHARMACEUTICAL CO. LTD) 3 April 2003 See Abstract, Examples 3, 6, 7 and 346	7, 8, 10
X	WO 2002/060492 (CYTOPIA PTY. LTD.) 8 August 2002 See whole document, Example 4, compounds 20310, 20504, 20506, 20508, 25210 and 32102	5-9, 12, 14, 15, 17, 18

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/AU2004/001689

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report		Patent Family Member			
WO	04052868				
WO	03099796	GB	2392154	US	2004235862
WO	03031406	CA	2463563	US	2003191312
WO	03026661				
WO	02060492	CA	2436487	EP	1363702
				US	2004102455

Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.

END OF ANNEX